

=> fil reg

FILE 'REGISTRY' ENTERED AT 14:31:11 ON 13 JUN 2007

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 12 JUN 2007 HIGHEST RN 937161-92-7

DICTIONARY FILE UPDATES: 12 JUN 2007 HIGHEST RN 937161-92-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

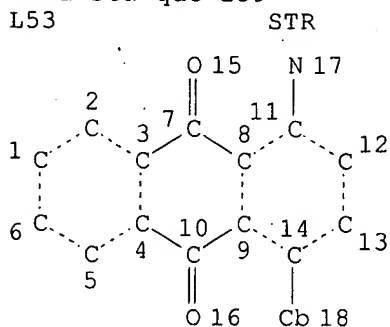
TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> d sta que l59



NODE ATTRIBUTES:

CONNECT IS M1 RC AT 12

CONNECT IS M1 RC AT 13

CONNECT IS M1 RC AT 17

CONNECT IS M1 RC AT 18

DEFAULT MLEVEL IS ATOM

GGCAT IS MCY UNS AT 18

DEFAULT ECLEVEL IS LIMITED

ECOUNT IS E6 C AT 18

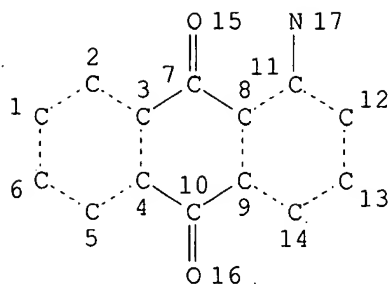
GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

L55 STR



## NODE ATTRIBUTES:

CONNECT IS M1 RC AT 12  
 CONNECT IS M1 RC AT 13  
 CONNECT IS M1 RC AT 14  
 CONNECT IS M1 RC AT 17  
 DEFAULT MLEVEL IS ATOM  
 DEFAULT ECLEVEL IS LIMITED

## GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED  
 NUMBER OF NODES IS 17

## STEREO ATTRIBUTES: NONE

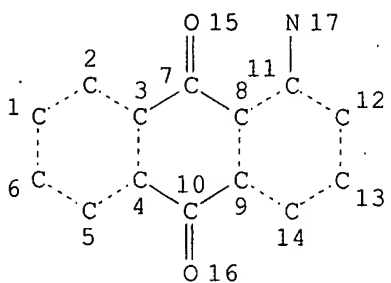
L57 29878 SEA FILE=REGISTRY CSS FUL L55  
 L59 34 SEA FILE=REGISTRY SUB=L57 CSS FUL L53

100.0% PROCESSED 29878 ITERATIONS  
 SEARCH TIME: 00.00.02

34 ANSWERS

=&gt; d sta que l63

L55 STR



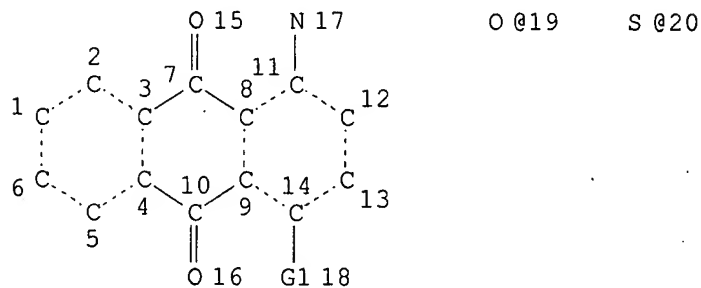
## NODE ATTRIBUTES:

CONNECT IS M1 RC AT 12  
 CONNECT IS M1 RC AT 13  
 CONNECT IS M1 RC AT 14  
 CONNECT IS M1 RC AT 17  
 DEFAULT MLEVEL IS ATOM  
 DEFAULT ECLEVEL IS LIMITED

## GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED  
 NUMBER OF NODES IS 17

STEREO ATTRIBUTES: NONE  
 L57 29878 SEA FILE=REGISTRY CSS FUL L55  
 L61 STR



VAR G1=19/20  
 NODE ATTRIBUTES:  
 CONNECT IS M1 RC AT 12  
 CONNECT IS M1 RC AT 13  
 CONNECT IS M1 RC AT 17  
 CONNECT IS M1 RC AT 19  
 CONNECT IS M1 RC AT 20  
 DEFAULT MLEVEL IS ATOM  
 DEFAULT ECLEVEL IS LIMITED

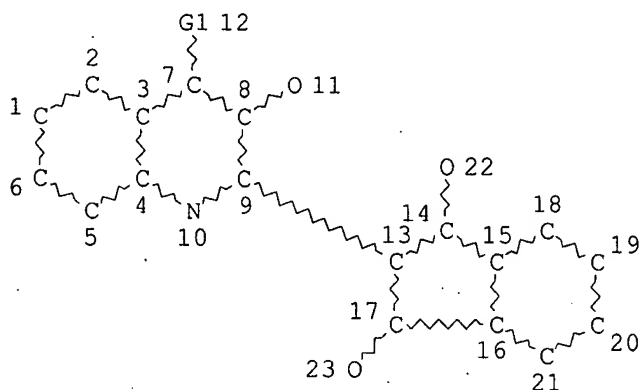
GRAPH ATTRIBUTES:  
 RING(S) ARE ISOLATED OR EMBEDDED  
 NUMBER OF NODES IS 20

STEREO ATTRIBUTES: NONE  
 L63 4794 SEA FILE=REGISTRY SUB=L57 CSS FUL L61

100.0% PROCESSED 5471 ITERATIONS  
 SEARCH TIME: 00.00.01

4794 ANSWERS

=> d sta que 167  
 L65 STR



VAR G1=H/X  
 NODE ATTRIBUTES:  
 DEFAULT MLEVEL IS ATOM  
 DEFAULT ECLEVEL IS LIMITED

## GRAPH ATTRIBUTES:

RSPEC 13 9

NUMBER OF NODES IS 23

## STEREO ATTRIBUTES: NONE

L67 63 SEA FILE=REGISTRY CSS FUL L65

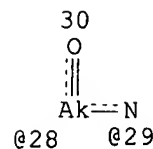
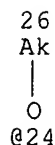
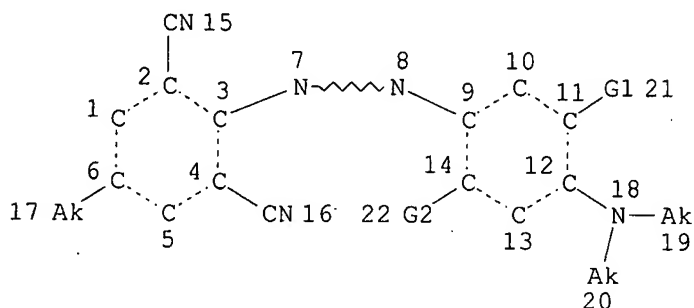
100.0% PROCESSED 1782 ITERATIONS

SEARCH TIME: 00.00.01

63 ANSWERS

=&gt; d sta que l113

L111 STR



VAR G1=H/AK/24

VAR G2=H/AK/28/29

## NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

## GRAPH ATTRIBUTES:

RSPEC 13 3

NUMBER OF NODES IS 27

## STEREO ATTRIBUTES: NONE

L113 27 SEA FILE=REGISTRY CSS FUL L111

100.0% PROCESSED 2761 ITERATIONS

SEARCH TIME: 00.00.01

27 ANSWERS

=&gt; d his

(FILE 'HOME' ENTERED AT 13:09:04 ON 13 JUN 2007)  
SET COST OFF

FILE 'HCAPLUS' ENTERED AT 13:09:19 ON 13 JUN 2007  
L1 1 S US20060123566/PN OR (US2005-529476# OR WO2003-EP10965 OR DE20  
SEL RN

FILE 'REGISTRY' ENTERED AT 13:10:39 ON 13 JUN 2007  
L2 4 S E1-E4  
L3 1 S L2 AND PMS/CI

jan delaval - 13 june 2007

L4 296 S C10H8O3S AND C6-C6/ES AND 50-00-0/CRN  
 L5 3 S L4 AND 2/NC  
 L6 3 S L3,L5  
 L7 293 S L4 NOT L6  
 L8 104 S L7 AND 2/NR  
 L9 81 S L8 NOT UNSPECIFIED  
 L10 60 S L9 AND 3/NC  
 L11 17 S L10 NOT SALT  
 L12 43 S L10 NOT L11  
 L13 21 S L9 NOT L10  
 L14 1 S L13 AND (CA AND NA)/ELS  
 L15 1 S L13 AND (K AND NA)/ELS  
 L16 1 S L13 AND H3N AND NA  
 L17 1 S L13 AND (AL AND CA)/ELS  
 L18 1 S L13 AND CE/ELS  
 L19 5 S L14-L18  
 L20 51 S L6,L12,L19

FILE 'HCAPLUS' ENTERED AT 13:18:16 ON 13 JUN 2007

L21 3526 S L20  
 L22 713 S FORMALDEHYDE(S) (NAPHTHALENESULFONIC OR NAPHTHALENESULPHONIC) (S)  
 L23 102 S FORMALDEHYDE(S)NAPHTHALENE(S) (SULFONIC OR SULPHONIC) (S)ACID(S)  
 L24 258 S FORMALDEHYDE(S) (NAPHTHALENESULFONATE OR NAPHTHALENESULPHONATE)  
 L25 64 S FORMALDEHYDE(S)NAPHTHALENE(S) (SULFONATE OR SULPHONATE) (S) (COP

FILE 'REGISTRY' ENTERED AT 13:20:16 ON 13 JUN 2007

FILE 'HCAPLUS' ENTERED AT 13:21:51 ON 13 JUN 2007

L26 100 S AGNIQUE ANSC 1NP OR ARKOTAN OR BELLOID SFD OR CEMENTA MELCRET  
 L27 30 S FORMALIN(S) (NAPHTHALENESULFONIC OR NAPHTHALENESULPHONIC) (W)AC  
 L28 6 S FORMALIN(S)NAPHTHALENE(S) (SULFONIC OR SULPHONIC) (W)ACID(S) (CO  
 L29 19 S FORMALIN(S) (NAPHTHALENESULFONATE OR NAPHTHALENESULPHONATE) (S)  
 L30 2 S FORMALIN(S)NAPHTHALENE(S) (SULFONATE OR SULPHONATE) (S) (COPOLYM  
 L31 278 S (FORMALIN OR FORMALDEHYDE) (S) (NAPHTHALENESULFONIC OR NAPHTHAL  
 L32 103 S (FORMALIN OR FORMALDEHYDE) (S) (NAPHTHALENESULFONATE OR NAPHTHA  
 L33 53 S (FORMALIN OR FORMALDEHYDE) (S)NAPHTHALENE(S) (SULFONIC OR SULPH  
 L34 42 S (FORMALIN OR FORMALDEHYDE) (S)NAPHTHALENE(S) (SULFONATE OR SULP  
 L35 36758 S MIGHTY() (150 OR 100) OR NF B OR LOMAR D OR NFB OR DEMOL() (N O  
 L36 506 S DEMOL AS  
 L37 18 S DAXAD 19  
 L38 20 S DARVAN NO 1  
 L39 2 S TAMOLL  
 L40 38 S NAPHTHALENE SULFONIC ACID FORMALDEHYDE CONDENSATE  
 L41 1 S NAPHTHALENE SULPHONIC ACID FORMALDEHYDE CONDENSATE  
 L42 210 S (NAPHTHALENESULPHONIC OR NAPHTHALENESULFONIC) (S)ACID FORMALDEH  
 L43 2 S MELCRETE 500F  
 L44 13 S LEVELON  
 L45 29 S DISPERGATOR NF  
 L46 39718 S L21-L45  
 E AZO/CT  
 L47 5621 S E30-E40  
 E E30+ALL  
 L48 37374 S E7+OLD,NT  
 E ANTHRAQUINONE/CT  
 L49 1123 S E5-E9  
 E E5+ALL  
 L50 10922 S E4+OLD,NT  
 E QUINOPHTHALONE/CT  
 L51 189 S L46 AND L47-L50

FILE 'REGISTRY' ENTERED AT 13:34:16 ON 13 JUN 2007

L52 35458 S (2508.17.45 AND 46.150.18)/RID AND O>=2 AND N/ELS  
L53 STR  
L54 1 S L53 CSS SAM SUB=L52  
L55 STR L53  
L56 50 S L55 CSS SAM  
L57 29878 S L55 CSS FUL  
L58 1 S L53 CSS SAM SUB=L57  
L59 34 S L53 CSS FUL SUB=L57  
SAV L59 NGUYEN529A/A  
L60 1 S L2 AND L57  
L61 STR L55  
L62 50 S L61 CSS SAM SUB=L57  
L63 4794 S L61 CSS FUL SUB=L57  
SAV TEMP L63 NGUYEN529B/A

FILE 'HCAPLUS' ENTERED AT 13:42:58 ON 13 JUN 2007

L64 37 S L59,L60,L63 AND L46

FILE 'REGISTRY' ENTERED AT 13:43:14 ON 13 JUN 2007

L65 STR  
L66 3 S L65 CSS SAM  
L67 63 S L65 CSS FUL  
SAV L67 TEMP NGUYEN529C/A  
L68 49 S L67 AND IDS/CI  
L69 14 S L67 NOT L68  
L70 13 S L69 NOT MXS/CI

FILE 'HCAPLUS' ENTERED AT 13:45:56 ON 13 JUN 2007

L71 19 S L70 AND L46  
L72 201 S L51,L64,L71

FILE 'REGISTRY' ENTERED AT 13:47:09 ON 13 JUN 2007

L73 17 S (PYRROLE OR FURAN OR THIOPHENE OR PYRAZOLE OR IMIDAZOLE OR OX  
L74 1389 S NSC3-C6/ES AND 333.255.8/RID AND 2/NR AND 1/NC  
L75 81 S L74 AND 4/ELC.SUB  
L76 2 S L75 AND 1/N AND 1/S AND 7/C  
L77 1 S L76 NOT D/ELS  
L78 61119 S PYRID?(S)THIO? AND 2/NR  
L79 9173 S L78 NOT NC5/ES  
L80 1386 S L79 AND 4/ELC.SUB  
L81 1024 S L80 AND 1/S  
L82 30 S L81 AND 1/N  
L83 57843 S SC4-NC5/ES  
L84 495 S L83 AND 2/NR AND 1/NC AND 4/ELC.SUB  
L85 24 S L84 AND 7/C AND 1/N AND 1/S  
L86 16 S L85 NOT DIHYDRO  
L87 14 S L86 NOT PMS/CI  
L88 13 S L87 NOT ION  
L89 10 S L88 NOT HYDRO  
L90 7 S L89 NOT D/ELS  
L91 6 S L90 NOT IUM  
L92 2045 S PYRIMID?(S)THIO? AND 2/NR AND 1/NC AND 4/ELC.SUB AND 1/S NOT  
L93 615 S L92 NOT NCNC3/ES  
L94 0 S L93 AND NCNC3-SC4/ES  
L95 0 S L93 AND SC4-NCNC3/ES  
L96 83800 S SC4-NCNC3/ES  
L97 569 S L96 AND 2/NR AND 1/NC AND 4/ELC.SUB  
L98 8 S L97 AND 2/N AND 1/S AND 6/C  
L99 7 S L98 NOT CL/ELS

L100 3623 S SC4-SC4/ES  
L101 47 S L100 AND 2/S AND 6/C AND 3/ELC.SUB AND 2/NR AND 1/NC  
L102 40 S L101 AND H/ELS  
L103 27 S L102 NOT PMS/CI  
L104 7 S L103 NOT ((D OR T)/ELS OR IUM OR RPS/CI OR ION OR YLIDE)  
L105 45 S NCSC2-SC4/ES AND 2/NR AND 1/NC AND 4/ELC.SUB AND H/ELS  
L106 21 S L105 AND 1/N AND 2/S  
L107 5 S L106 AND 5/C  
L108 3 S L107 NOT AZABICYCLO  
L109 41 S L73,L77,L91,L99,L104,L108

FILE 'HCAPLUS' ENTERED AT 14:03:27 ON 13 JUN 2007

L110 230 S L109 AND L46

FILE 'REGISTRY' ENTERED AT 14:03:44 ON 13 JUN 2007

L111 STR  
L112 2 S L111 CSS SAM  
L113 27 S L111 CSS FUL  
SAV L113 NGUYEN529D/A

FILE 'HCAPLUS' ENTERED AT 14:08:18 ON 13 JUN 2007

L114 1 S L113 AND L46  
L115 431 S L72,L110,L114  
L116 112 S L115 AND PY<=2002 NOT P/DT  
L117 240 S L115 AND (PD<=20021004 OR PRD<=20021004 OR AD<=20021004) AND  
L118 352 S L116,L117  
L119 79 S L115 NOT L118  
L120 10047 S 1 2 ETHANEDIOL  
L121 16726 S 1 2 PROPANEDIOL  
L122 17430 S 1 3 PROPANEDIOL  
L123 175669 S GLYCEROL OR GLYCERIN?  
L124 81 S 1 2 5 PENTANETRIOL  
L125 910 S 1 2 6 HEXANETRIOL  
L126 887 S 1 2 HEXANEDIOL  
L127 776 S 1 2 PENTANEDIOL  
L128 34 S L115 AND L120-L127

FILE 'REGISTRY' ENTERED AT 14:13:39 ON 13 JUN 2007

L129 1 S 107-21-1  
L130 2 S 57-55-6 OR 504-63-2  
L131 4 S C3H8O2/MF AND IDS/CI  
L132 3 S L131 AND PROPANEDIOL  
L133 1 S 56-81-5  
L134 1 S 14697-46-2  
L135 1 S 106-69-4  
L136 1 S 29117-56-4  
L137 1 S 6920-22-5  
L138 45 S C6H14O2/MF AND HEXANEDIOL  
L139 3 S L138 AND 1 2  
L140 2 S L138 AND IDS/CI  
L141 1 S 5343-92-0  
L142 34 S C5H12O2/MF AND PENTANEDIOL  
L143 4 S L142 AND 1 2  
L144 3 S L143 NOT 14C  
L145 1 S L142 AND IDS/CI  
L146 30 S C6H14O3/MF AND HEXANETRIOL  
L147 3 S L146 AND 1 2 6  
L148 1 S L146 AND IDS/CI  
L149 12 S C5H12O3/MF AND PENTANETRIOL  
L150 3 S L149 AND 1 2 5

L151 1 S L149 AND IDS/CI  
L152 24 S L129,L130,L132-L134,L137,L139-L141,L144,L145,L147,L148,L150,L

FILE 'HCAPLUS' ENTERED AT 14:21:30 ON 13 JUN 2007

L153 16 S L152 AND L115  
L154 36 S L128,L153  
E HEES/AU  
E HEES U/AU  
L155 27 S E5  
E KLUGE/AU  
E KLUGE M/AU  
L156 159 S E3-E5,E12  
E ALBERT/AU  
L157 14 S E3  
E ALBERT B/AU  
L158 48 S E3-E7  
L159 62 S E21,E22  
E HEISSLER/AU  
L160 30 S E7-E8,E10,E11  
E FUNKE/AU  
E FUNKE F/AU  
L161 79 S E3-E5  
E FUENKE/AU  
E FEUNKE/AU  
E SIEMENSMEYER/AU  
L162 171 S E7-E9  
E WERNER/AU  
L163 19 S E3  
E WERNER J/AU  
L164 350 S E3-E19  
L165 1 S E61  
L166 75 S E90-E93  
L167 17 S E97-E99  
L168 1 S L154 AND L155-L167  
L169 2 S BASF?/PA,CS AND L154  
L170 1 S L169 NOT PHARMAC?/SC,SX  
L171 26 S L154 AND L118  
L172 5 S L171 AND TEXTIL?/SC,SX,CW,CT,BI  
E TEXTILE/CT  
L173 3 S L171 AND (E4 OR E15+OLD,NT)  
L174 1 S L171 AND E32+OLD,NT  
E E4+ALL  
L175 0 S L171 AND E2+OLD,NT  
E E2+ALL  
L176 0 S L171 AND E12+OLD,NT  
E INK/CT  
L177 1 S L171 AND (E3 OR E7 OR E8 OR E14+OLD,NT OR E18+OLD,NT OR E20+O  
L178 6 S L171 AND INK?/SC,SX,CW,CT,BI  
L179 9 S L170,L172-L178  
L180 17 S L171 NOT L179  
L181 7 S L179 AND L2  
L182 9 S L179,L181

FILE 'REGISTRY' ENTERED AT 14:31:11 ON 13 JUN 2007

=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 14:32:18 ON 13 JUN 2007

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jan delaval - 13 june 2007